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APPLICANTS: Ruc Montagnier et al

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United States Patent [19]

Montagnier et al.

[11] **Patent Number:** 5,217,861[45] **Date of Patent:** Jun. 8, 1993

[54] **ANTIGEN OF A HUMAN RETROVIRUS, NAMELY P18 PROTEIN OF HUMAN IMMUNODEFICIENCY VIRUS (HIV), COMPOSITIONS CONTAINING THE ANTIGEN, A DIAGNOSTIC METHOD FOR DETECTING ACQUIRED IMMUNE DEFICIENCY SYNDROME (AIDS) AND PRE-AIDS AND A KIT THEREFOR**

[75] **Inventors:** Luc Montagnier, Le Plessis-Robinson; Jean-Claude Chermann, Elancourt; Barre-Sinoussi, Issy Les Moulineaux; Francoise Vezinet-Brun, Paris; Christine Rouzioux, Paris; Willy Rozenbaum, Paris; Charles Dauguet, Paris; Jacqueline Gruet, L'Hay Les Roses; Marie-Theresa Nugeyre, Paris; Francoise Rey, Paris; Claudine Axler-Blin, Paris; Solange Chamaret, Paris, all of France

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[21] **Appl. No.:** 158,073

[22] **Filed:** Feb. 12, 1988

Related U.S. Application Data

[63] Continuation of Ser. No. 914,156, Oct. 1, 1986, abandoned, which is a continuation of Ser. No. 706,562, Feb. 22, 1985, abandoned, which is a continuation-in-part of Ser. No. 558,109, Dec. 5, 1983, abandoned.

[30] Foreign Application Priority Data

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[51] **Int. Cl.⁵** G01N 33/569

[52] **U.S. Cl.** 435/5; 435/7.1;
435/7.92; 435/7.93; 435/7.94; 435/7.95;
435/974; 530/350; 930/221

[58] **Field of Search** 435/517, 29, 259, 800,
435/235-239, 188, 7.1, 7.92-7.95, 974; 530/350;
930/221

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[57] ABSTRACT

Protein compositions containing proteins of the lymphadenopathy virus, which compositions are used for diagnosis of antibodies of such protein in biological fluids, especially blood serum, for the detection or absence of infection. Such compositions contain typically the p18, p13 and/or p25 proteins.

11 Claims, 5 Drawing Sheets